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Patent  
TH2458 (US)  
HS:KNL

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Signature: Charles W. Stewart  
Charles W. Stewart

Date: August 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	)	
	)	
MAREK MATUSZ ET AL	)	
	)	
Serial No. 10/816,543	)	Group Art Unit 1754
	)	
Filed April 1, 2004	)	Examiner:
	)	
SILVER-CONTAINING CATALYSTS,	)	
THE MANUFACTURE OF SUCH SILVER-	)	
CONTAINING CATALYSTS, AND THE	)	
USE THEREOF	)	
_____	)	

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56 AND 1.97**

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.


DE-1920976 is a German language document. Its English language equivalent , GB-1257352, has also been included.

A U.S. patent application, Serial No. 10/431,035, on a related invention was filed on May 7, 2003.

If any fee is required, the Examiner is authorized to charge the required fee to Shell Oil Company, Deposit Account No. 19-1800.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialing next to each item submitted by the Applicant.

Respectfully submitted,  
MAREK MATUSZ ET AL

By   
Their Attorney, Charles W. Stewart  
Registration No. 34,023  
(713) 241-0360

P. O. Box 2463  
Houston, Texas 77252-2463

Attachment: PTO-1449 Form (Modified)

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.  
TH-2458 02 (US)APPLICATION NUMBER  
10/816,543LIST OF INFORMATION PROVIDED  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
MAREK MATUSZ ET ALFILING DATE  
April 1, 2004

GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,766,105	8/88	Lauritzen	502	216	
	AB	4,761,394	8/88	Lauritzen	502	348	
	AC	4,820,675	4/89	Lauritzen	502	216	
	AD	4,845,296	7/89	Ahmed et al	564	477	
	AE	4,829,044	5/89	Boxhorn et al	502	348	
	AF	4,212,772	7/80	Mross et al	252	476	
	AG	4,471,071	9/84	Rebsda et al	502	347	
	AH	4,731,350	3/88	Boxhoorn et al	502	231	
	AI	4,728,634	3/88	Boxhoorn et al	502	243	
	AJ	6,656,874	12/03	Lockemeyer	502	347	
	AK	3,962,285	6/76	Cusumano	260	348	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	266,015 A1	5/88	EPA				
	AM	1,257,352	12/71	GB				
	AN	1,920,976	11/69	DE				

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AR	Brunauer, Emmett, Teller, J. Am. Chem. Soc. 60 (1938) pgs. 309-319.
	AS	Kirk-Othmer Ency. Of Chem. Technology, 3 <sup>rd</sup> Ed., Vol. 9, 1980, pgs. 432-471.
	AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
- This is not a representation that a search has been made.

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GROUP ART UNIT

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	3,937,476	2/76	Sakai	274	39A	
	AB	3,844,981	10/74	Cusumano	252	471	
	AC	2002/0010094	01/02	Lockemeyer	502	439	
	AD	5,364,826	11/94	Kemp	502	315	
	AE	5,187,140	2/93	Thorsteinson	502	348	
	AF	5,254,786	10/93	Lin et al	585	645	
	AG	3,563,914	11/67	F. Wattiemena	252	463	
	AH	5,380,697	1/95	Matusz et al	502	348	
	AI	6,368,998	4/02	Lockemeyer	502	347	
	AJ	5,407,888	4/95	Herzog et al	502	317	
	AK	5,739,075	4/98	Matusz	502	302	

## FOREIGN PATENT DOCUMENTS

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	AL							
	AM							
	AN							

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,705,661	1/98	Iwakura et al	549	536	
	AB	5,418,202	5/95	Evans et al	502	348	
	AC	5,801,259	9/98	Kowaleski	549	536	
	AD	4,808,738	2/89	Lauritzen	549	536	
	AE	5,145,824	9/92	Buffum et al	502	216	
	AF	5,100,859	3/92	Gerdes et al	502	439	
	AG	5,502,020	3/96	Iwakura et al	502	317	
	AH	5,739,075	4/98	Matusz	502	302	
	AI	5,187,140	2/93	Thorsteinson et al	502	348	
	AJ	4,939,114	7/90	Nojiri et al	502	348	
	AK	3,962,136	6/76	Nielsen et al	252	454	

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FORM PTO-1449 (Modified)  LIST OF INFORMATION PROVIDED BY APPLICANT  (Use several sheets if necessary)	ATTY. DOCKET NO. TH-2458 02(US)	APPLICATION NUMBER 10/816,543
	APPLICANT MAREK MATUSZ ET AL	
	FILING DATE April 1, 2004	GROUP ART UNIT

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	6,498,122	12/02	Nakashiro	502	347	
	AB	5,703,253	12/97	Evans et al	549	536	
	AC	3,563,913	2/71	De Krijger	252	463	
	AD	4,207,210	6/80	Kilty	252	463	
	AE	4,458,032	7/84	Rebsdat et al	502	348	
	AF	5,597,773	1/97	Evans et al	502	348	
	AG	4,994,587	2/91	Notermann et al	549	534	
	AH	5,457,897	10/95	Becker	34	472	
	AI	5,380,885	1/95	Kemp	549	536	
	AJ						
	AK						

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